Inventors: Targan et al. Filing Date: Herewith Attorney Client-Matter No.: 66783-142

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A GAT CTG GCC AGC GCC GTG GGC ATC CAG TCC GGC AGC ATC TTT CAT CAC TTC AAG AGC AAG SAVGIQSGSIFH K S GAT GAG ATA TTG CGT. GCC GTG ATG GAG GAA ACC ATC CAT TAC AAC ACC GCG ATG ATG CGC HYNTAMM MEET ı R A V l L GCT TCA CTG GAG GAG GCG AGC ACG GTG CGC GAA CGC GTG CTG GCG CTG ATC CGC TGC GAG R C LI L A Ε R ٧ R Ε Ε Α S T ٧ L THE CAG TOG ATC ATE GGC GGC AGT GGC GAG GCC ATE GCG GTG CTG GTC TAC GAA TGG CGC V. Υ E W V L E М Α S G. Α G Q S 1 М G TOG CTG TOG GOO GAA GGO CAG GOG CAC GTG CTG GOC CTG CGT GAC GTG TAT GAG CAG ATC T Ε R D ٧ V L Α L G Q A Н

FIGURE 1

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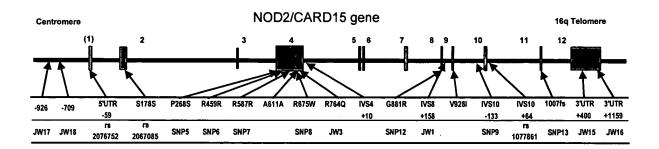


Figure 2A

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R702W

5' ACCITICAGAT CACAGCAGOC TICCIGGOAG GEORGIGITGIC COGGGAGACAG 50' TEGAAGICTA GIGICGICGG AAGGACOGIC COGACAACAG GEOCGIGGIG	
TECCECTICE TECCTORETE CONCENTRATE CONTINUES ACCORDED 100 ACCORDANGE ACCORDINA CONTINUES ACCORDED 100	
STRUCTURE CONCRETE GICIERCOCC CHOCCHOCC AMECACTICO 150	•4.5
ACTOCATOCO COCACOTOCA COCCACION COLLACACIÓN COLLACIONE 200	
CCCCCCTTCA TOTCCCTCAT CCCCACCOTG TACCACATICC ACCACCACCG 250 CCCCCCAACT ACACCCACTA CCCCTCCCAC ATCCTCTACG TOCTCCTCCC	
GCIGGTOGG AAGGCIGCAC GIGGCCIGAA IGIIGGGCAC CICAAGIIGA 300 CGACCCACCC TICCGACGIG CACCGGACIII ACAACCCGIG GAGIICAACT	
CATTITICCAE IGIOGECCCE ACTEACTGIG CIGCCCICCE CITICICCIC 350 GIAAAACGIC ACACCCCCC TCACTCACAC CACCCCACCC GAAACACCAC	
CACACUTA COCCOCCA COCCACATA ACICIGACA 400	
TC+C+TTGGC GIGG+GC+GC TGGTGGCTTG CCTTGGTGTC TGC+AGGCTC 450 ACTGT+AGGC CAGGTGGTGG AGG+AGGAAGC+G-AGGTTGGG+G	
TEMPORARY CHIPCICOCC ATTOCTOMIC ACCIPICOCC CICC 3' SEQ ID NO 4	3 494

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G908R

5'ATCAAAACCC TGAGAGGACA AGGGACATTT CCAAGTCACC CAGAAAGACT	: S
3 TAGITTICCG ACTOTOCIGI TOCCIGIAAA CGITCAGICG GICITICICA	
CCAGIGICCT CICTICAAAT CCAATGGICT TTTTTCCTTA CICCATTCCC	. 100
CCTCACAGGA CACAACTITIA CCTTACCAGA AAAAACGAAT CACCTAACCC	
TAACATIGIG GEGTAGAAAT AAAGTICAAA GACCTICAGA ACTGCCCCCA	150
ATTGEAACAC CCCATCITEA TEICAAGEIT CIGGAAGICE TGACCGGGT	
CCICCICCCI CITCACCIGA TCICCCCAAG AAAACIGCAG CATAGACICI	. 200
CCACCACCA CAACICCACT ACACCCCTIC TTITCACCIC CTATCICACA	2.00
CAACCTTACC TCACCCACCT CAACCTCTCG TCATCACCCA ACCCTTCACC	250
CTTCGAATGG ACTCGGTGGA GTTCGAGACC ACTAGTGGGT TCCCAAGTCG	باريع
CAGGGGGIGG GCCCCCICGT CACCCACTCT gttgccccag aalicICAAAA	. 300
GICCCGCACC CGCCCAGCA GICCGIgaga caacggggtc ttacaciiii	- 200
GECCAAAAGA GICAACAGAC AGIGICAGIG AGIACCIGAT AIGIGITCIA	350
COCCITTICT CAGTIGICIG TCACAGICAC TCATGGACTA TACACAAGAT	
GACATGAACT AACAGICCTC CICCCICIGC AGICCCAGCC AGAGGGCCAG	400
CIGIACITEA TIGICACCAC CACCCACACA TCACCGICCO TCICCCCGIC	
GACCACTCAA TCCCAGAGIG GCCTCACTGG GGCTCCTGGT CCCAGCAAAG	450
CIGGICAGIT ACCGICTCAC CCCACGACCA CCGICGITIC	
TECACCIECC TOCATCITIT CEGIGGGATE GOCAAACITA ACCCAAGAGI	500
ACCICCACCE ACCITAÇAAAA COCACCETAC CEGITICAAT TEGGITCICA	
TITCAGIGGC TITACATTAC ACACITAGAG AATAGIACAG3'-SEQ ID NOS	540
AAAGTCACCG AAATGTAATG TCTGAATCTC TTATCATCTC5'-SEO ID NO6	

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					. CACTICITIC	50
3'	AAATTITTAC	TITAGTAACC	ACCCATCAAT	TICICCATIT	CIGAAGAAAG	
	TEACACAGAG	AATCAGATCC	TTCACATGCA	. CAATCATTCT	CACTGAATGT	100
	AATCIGICIC	TTAGICTAGG	AAGIGIACGI	CTTAGTAACA	GICACTIACA	
	CAGAATCAGA	ACCCATCCTC	AAAATTCTGC	CATTCCTCTC	TCCCCTCACC	150
	GICITAGICT	TCCCTACCAC	TTTTAAGACG	GIAAGCACAC	AGGGCAGTGG	
	CCATTITACA	CATAGAAAA	CICAGGITCG	GAGACCTAAA	ACAGGCCTGC	200
	GGTAAAATGT	CTATCTTTT	CACTOCAAGO	CTCTCCATTT	TETCCCGACG	
	CCAGGGCT	TACCAGACTT	CAGGATGG)	GICATICCLL	tcaaggggcc	250
•	GGICCCCGCA	AIGGICICAA	GGTCCTACCA	CAGTAAggaa	agttcccgg	
. [tgcAccacc	CITCIGCCC	TAGGIAGGIG	ATGCAGTTAT	TGCACAACCT	300
				TACCICAATA		
	GGAAAAGAAG	ATACAATGGT	GAGCTTCAAG	CATICITOGI	TITCETCIE	350
(CCLLLICLIC	TATGITACCA	CICGAAGIIC	· CTAAGAACCA	AAAGGACAAC	
4	AAACTGTCCA	GITAAAGAGA	CTGCAGGAGT	TAGCCAGTCT	ACTGAAGCCC	400°
•	TTTGACAGGT	CAATTICICT	CACGICCICA	ATCGGTCAGA	TGACTTOGGG	•
, 2	ACCIGICCCI	TAGACACATO	CIGCICATGI	CIGAGATTCC	CAATGAGCIC	450
				GACTCTAAGG		
2	ATCAACAAAG	CCTCAGTACC	ATCACTGAAA	TGTAACCGTC	TCICTICCAT	500
					ACACAACCTA.	
7	CACTACATG	AGITTATCAA	ATTAAGTAGC	CACTCCCTTA	G3 '-SEQ ID NO 7	541
.7	AGIGAICTAC	TCAAATAGIT	TAATTCATCG	CICACCEAAT	C5'-SEQ ID NO 8	,-

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atgaaagtta aagtactgtc cctcctggtc ccaqctctgc tggtagcagg cgcagcaaac gctgctgaag tttacaacaa agacggcaac aaattagatc tgtacggtaa agtagacggc ctgcactatt tctctgacaa caaagatgta qatqqcqacc aqacctacat gcgtcttggc ttcaaaggtg aaactcaggt tactgaccag ctgaccggtt acggccagtg ggaatatcag atccagggca acagcgctga aaacgaaaac aactcctgga cccgtgtggc attcgcaggt ctgaaattcc aggatgtggg ttctttcgac tacqgtcgta actacqqcqt tgtttatgac gtaacttcct ggaccgacgt actgccagaa ttcggtggtg acacctacgg ttctgacaac ttcatgcagc agcgtggtaa cggcttcgcg acctaccgta acactgactt cttcggtctg gttgacggcc tgaactttgc tgttcagtac cagggtaaaa acggcaaccc atctggtgaa ggctttacta gtggcgtaac taacaacggt cgtgacgcac tgcgtcaaaa cggcgacggc gtcggcggtt ctatcactta tgattacgaa ggtttcggta tcggtggtgc gatctccagc tccaaacgta ctgatgctca gaacaccgct gcttacatcg gtaacggcga ccgtgctgaa acctacactg gtggtctgaa atacgacgct aacaacatct acctggctgc tcagtacacc cagacctaca acgcaactcg cgtaggttcc ctgggttggg cgaacaaagc acagaacttc gaagctgttg ctcagtacca gttcgacttc ggtctgcgtc cgtccctggc ttacctgcag tctaaaggta aaaacctggg tcgtggctac gacgacgaag atatcctgaa atatgttgat gttggtgcta cctactactt caacaaaaac atgtccacct acgttgacta caaaatcaac ctgctggacg acaaccagtt cactcgtgac gctggcatca acactgataa catcgtagct ctgggtctgg tttaccagtt c seq ID NO: 9

FIGURE 3A

Inventors: Targan et al. Filing Date: Herewith Attorney Client-Matter No.: 66783-142

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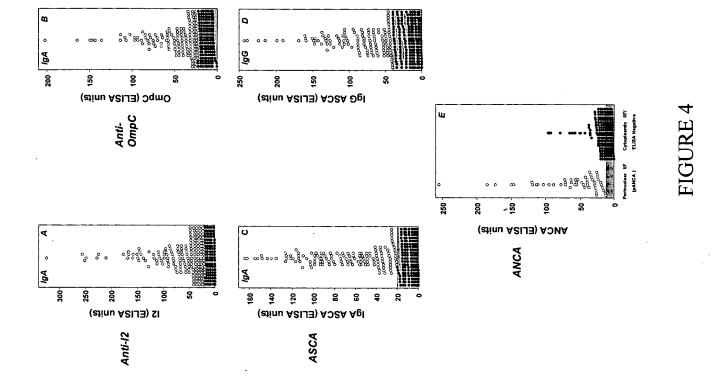
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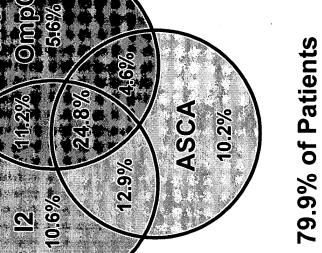
FIGURE 3B

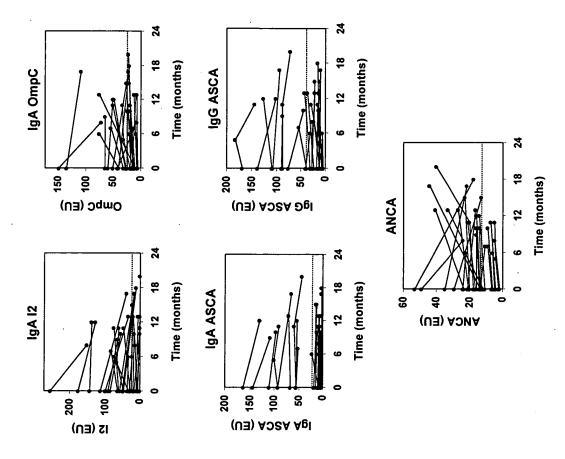
Title: METHODS OF ASSESSING CROHN'S DISEASE PATIENT PHENOTYPE BY 12,... Inventors: Targan et al.

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Filing Date: Herewith
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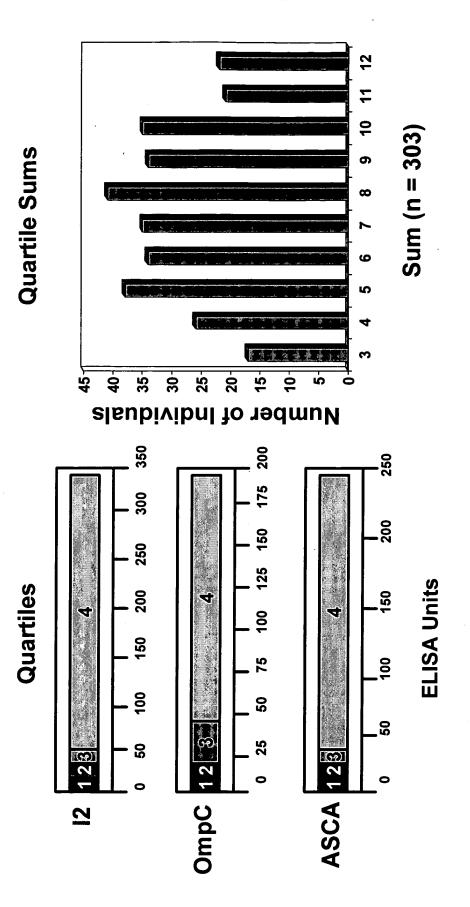


FIGURE 7

Title: METHODS OF ASSESSING CROHN'S DISEASE PATIENT PHENOTYPE BY 12,... Inventors: Targan et al.

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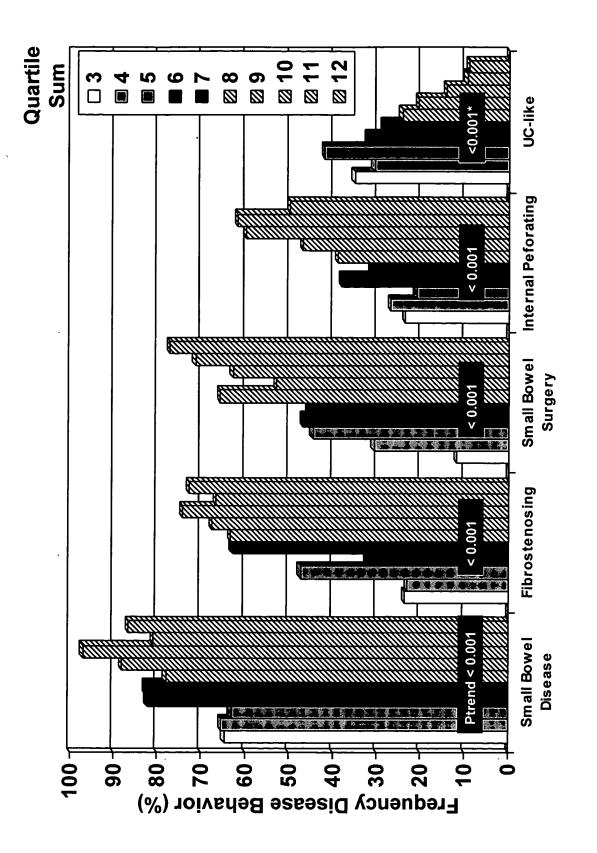


FIGURE 8 BEST AVAILABLE COPY